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## UTILITY **PATENT APPLICATION TRANSMITTAL**

Attorney Docket No.		TER-047			
First Inventor		AZENKOT, et al.			
	APPARATUS FOR AUTOMATIC				
Title	RATE ADAPTA	TION IN A DOCSIS UPSTREAM			
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APPLICATION ELEMENTS  See MPEP chapter 600 concerning utility patent application contents.  ADDRESS TO:  Assistant Commissioner for Patents  See 37 CFR 1.27.  Applicated claims small entity status.  See 37 CFR 1.27.  Application [Total Pages 33 ]  - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Ped sponsored & D Bergins (Francisco) (Inveterral arrangement set femiliary) - Descriptive title of the invention - Brief Summary of	Only for new nonprovision	nal applications under 37 CFR 1.53(b	))   E	xpress ma	iil Label No.	EV	104611779 (	<u> </u>	
Newly executed (original or copy)   Solution Or beliaration   Total Pages   Solution   Total P	APPLICATION ELEMENTS				I ADDDEOO TO				
Computer Program (Appendix)									
a. Computer for the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Sequence listing, a table, or a computer program Isting appendix - Background of the Invention - Brief Summary of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [ Total Sheets   12   1   - Abstract of the Disclosure - A. X Drawing(s) (35 U.S.C. 113) [ Total Sheets   12   1   - A. X Drawing(s) (35 U.S.C. 113) [ Total Pages   3   1   - A. X Drawing(s) (35 U.S.C. 125 (0.5) [ Total P	2. X Applicant claims s See 37 CFR 1.27		Computer Program (Appendix)  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)						
- Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Dataled Description - Claim(s) - Abstract of the Disclosure - A Drawing(s) (35 U.S.C. 113)	3. (preferred arrangement set forth below)			٠. ـــــا	-		• ,	, 2,	
Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 12] J. Drawing(s) (35 U.S.C. 113) [Total Sheets 12] J. Drawing(s) (35 U.S.C. 113) [Total Pages 3] J. Drawing(s) (35 U.S.C. 114) [Total Pages 3] J. Drawing(s) (35 U.S.C. 113) [Total Pages 3] J. Drawing(sc) (45 U.S.C. 113) [Total Pages 3] J. Drawing(sc) (45 U.S.C. 113) [Total Pages 3] J.	<ul> <li>Cross Reference to Related Applications</li> <li>Statement Regarding Fed sponsored R &amp; D</li> <li>Reference to sequence listing, a table, or a computer program listing appendix</li> <li>Background of the Invention</li> </ul>			i. CD-ROM or CD-R (2 copies); or ii. paper c. Statements verifying identity of above copies					
- Claim(s) - Abstract of the Disclosure  4.  \[ \times \] Drawing(s) (35 U.S.C. 113) \[ Total Sheets \] 12 \] 111. \[ English Translation Document (if applicable) \] 15. Oath or Declaration \[ Total Pages \] 3 \] 12. \[ Information Disclosure \] 112. \[ Information Disclosure \] 113. \[ Preliminary Amendment \] 12. \[ Information Disclosure \] 114. \[ Xincomplete \] 115. \[ Copy from a prior application (37 CFR 1.63 (d)) \] 12. \[ Information Disclosure \] 115. \[ Copy from a prior application (37 CFR 1.63 (d)) \] 12. \[ Information Disclosure \] 12. \[ Information Disclosure \] 13. \[ Preliminary Amendment \] 14. \[ Xincomplete \] 14. \[ Xincomplete \] 14. \[ Xincomplete \] 15. \[ Certified Copy from a prior application with Box 18 completed \] 15. \[ Information Disclosure \] 15. \[ Certified Copy from the prior application with Box 18 completed \] 15. \[ Information Disclosure \] 16. \[ Pole Entition OF Invitional in Proliminary amendment \] 16. \[ Pole Entition OF Invitional in Proliminary in Proliminary amendment \] 16. \[ Pole Entition OF Invitional in Proliminary amendment \] 17. \[ Other: \] 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: \[ Continuation \] 17. \[ Other: \] 17. \[ Other: \] 17. \[ Other: \] 17. \[ Other: \] 18. If a CONTINUING OR DIVISIONAL APPS only: The entire disclosure of the prior application not morphic. \[ For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application not in the prior application in supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be reliad upon when a portion has been inadventently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  19. Control Poly 16 poly 16 p				ACC	OMPANYIN	VG A	PPLICATION	ON PARTS	
4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 12 ] 11. English Translation Document (if applicable) 5. Oath or Declaration [Total Pages 3 ] 12. Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 6. Newly executed (original or copy) 6. Opy from a prior application (37 CFR 1.63 (d)) 7. DELETION OF INVENTOR(S) 8. Signed statement attached deleting inventor(s) 8. named in the prior application, see 37 CFR 9. 1.63 (d)) 9. DELETION OF INVENTOR(S) 15. Option of prior application (S) 16. Application Data Sheet. See 37 CFR 1.76 17. Other: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Information: 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Information: 19. Continuation Divisional Continuation in part (CIP) 19. Continuation Optivisional Application in Information: 19. Continuation Information: 19. Continuation or divisional application and is hereby incorporated by reference. The Incorporation san only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  19. Correspondence address below  Name RONALD CRAIG FISH 10. Registration No. (Attorney/Agent) 28,843  Name (Print/Type) RONALD CRAIG FISH Registration No. (Attorney/Agent) 28,843	- Claim(s)				37 CFR 3.73(b	o) State	ement 🔽	Power of	
5. Oath or Declaration [Total Pages 3] 1  a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) b. (for continuation divisional with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  Thorizonal Continuation Data Sheet under 37 CFR 1.76:  Saminer Group At Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application No.  The incorporation can only be refled upon when a portion has been indevented your has been indevented yo	4. X Drawing(s) (35 U	I.S.C. 113) [ Total Sheets 12	] ]	1 —	•		• .	pplicable)	
a. X Newly executed (original or copy) b. Copy from a prior application (37 CFR 1.63 (d)) (for continuational with Box 18 completed) i. DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.53 (d)(2) and 1.33(b).  6. Application Data Sheet. See 37 CFR 1.76  7. Other:  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application not as Sheet under 37 CFR 1.76:  Continuation Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation or in an Application information:  Examiner Group Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label  RONALD CRAIG FISH, A LAW CORPORATION POST OFFICE BOX 2258  City MORGAN HILL State  Country US Telephone 408-778-3624 Fax 408-776-0426  Name (Print/Type) RONALD CRAIG FISH  Registration No. (Attorney/Agent) 28,843	5. Oath or Declaration	[ Total Pages 3	] ]						
b	a. X Newly executed (original or copy) 13. Preliminary Amendment								
Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. POST CARD RECEIPT.   Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. POST CARD RECEIPT.   Other:	h     // / / / / / / / / / / / / / / / /								
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  16. Application Data Sheet. See 37 CFR 1.76  17. Other:  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:    Continuation   Divisional   Continuation in-part (CIP)   of prior application No.   /	i. DELETION OF INVENTOR(S)  Signed statement stacked deleting inventor(s)  15. Certified Copy of Priority Document(s) (if foreign priority is claimed)					nt(s)			
Application Data Sheet. See 37 CFR 1.76  17. Other:  18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation-in-part (CIP) of prior application No	named in the prior application, see 37 CFR  1.63(d)(2) and 1.33(b).  Request and Certification under 35 U.S.C. 122  (b)(2)(B)(i). Applicant must attach form PTO/SB/35					form PTO/SB/35			
or in an Application Data Sheet under 37 CFR 1.76:  Continuation Divisional Continuation in-part (CIP) of prior application No.:  Prior application information:  Examiner Group Art Unit:  For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.  19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label (Insert Customer No. or Altsich bar code label Insert)  Or X Correspondence address below  Name RONALD CRAIG FISH  RONALD CRAIG FISH, A LAW CORPORATION  POST OFFICE BOX 2258  City MORGAN HILL State CA Zip Code 95038  Country US Telephone 408-778-3624 Fax 408-776-0426  Name (Print/Type) RONALD CRAIG FISH Registration No. (Attorney/Agent) 28,843	6. Application Data	Sheet. See 37 CFR 1.76		17.	Other:	nt. Po	OST CARD I	RECEIPT	
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19. CORRESPONDENCE ADDRESS  Customer Number or Bar Code Label  (Insert Cystomer No. or Altach bar code (abe) here)  RONALD CRAIG FISH RONALD CRAIG FISH, A LAW CORPORATION POST OFFICE BOX 2258  City MORGAN HILL State CA Zip Code 95038  Country US Telephone 408-778-3624  Registration No. (Attorney/Agent) 28,843								rated by reference	
Name  RONALD CRAIG FISH  RONALD CRAIG FISH, A LAW CORPORATION  POST OFFICE BOX 2258  City  MORGAN HILL  State  COUNTRY  US  Telephone  408-778-3624  RONALD CRAIG FISH  Registration No. (Attorney/Agent)  28,843		·							
RONALD CRAIG FISH, A LAW CORPORATION	Customer Number or Bar Co	ode Label (Insert Customer No. or All	ach bar cod	de (abel flere)	or X		Correspondence a	ddress below	
Address         POST OFFICE BOX 2258           City         MORGAN HILL         State         CA         Zip Code         95038           Country         US         Telephone         408-778-3624         Fax         408-776-0426           Name (Print/Type)         RONALD CRAIG FISH         Registration No. (Attorney/Agent)         28,843	Name	RONALD CRAIG FISH							
City         MORGAN HILL         State         CA         Zip Code         95038           Country         US         Telephone         408-778-3624         Fax         408-776-0426           Name (Print/Type)         RONALD CRAIG FISH         Registration No. (Attorney/Agent)         28,843		RONALD CRAIG FISH, A LAW	CORPO	PRATION					
Country US Telephone 408-778-3624 Fax 408-776-0426  Name (Print/Type) RONALD CRAIG FISH Registration No. (Attorney/Agent) 28,843	Address	POST OFFICE BOX 2258							
Name (Print/Type) RONALD CRAIG FISH Registration No. (Attorney/Agent) 28,843	City	MORGAN HILL	Si	tate CA			Zip Code	95038	
	Country	บร	Teleph	one 408	3-778-3624		Fax	408-776-0426	
	Name (Print/Type)	Name (Print/Type) RONALD CRAIG FISH Registration No. (Attorney/Agent) 28,843					43		
		Rosald C	. 7.	-sh			Date 07/3	31/2003	

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## FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** 

(\$)627.00

C mpl te if Known				
Application Number				
Filing Date	07/31/2003			
First Named Inventor	AZENKOT, et al.			
Examiner Name				
Group Art Unit				
Attorney Docket No.	TER-047			

METHOD OF PAYMENT	FEE CALCULATION (continued)					
1. X The Commissioner is hereby authorized to charge indicated fees and credit any overnayments to:	3. ADDITIONAL FEES					
indicated fees and credit any overpayments to:  Deposit	Large Small					
Account Number 06-0932	Entity Entity  Fee Fee Fee Fee Fee Paid  Fee Paid					
Deposit	Code (\$) Code (\$)					
Account Name Ronald Craig Fish, a Law Corporation	105 130 205 65 Surcharge - late filing fee or oath					
X Charge Any Additional Fee Required and Credit Any Overpayments Under 37 CFR 1.16 and 1.17	127 50 227 25 Surcharge - late provisional filing fee or cover sheet					
Applicant claims small entity status.	139 130 139 130 Non-English specification					
See 37 CFR 1.27	147 2,520 147 2,520 For filing a request for ex parte reexamination					
2. Payment Enclosed:	112 920* 112 920* Requesting publication of SIR prior to					
Check Credit card Money Other	Examiner action  113 1,840* 113 1,840* Requesting publication of SIR after					
FEE CALCULATION	Examiner action					
1. BASIC FILING FEE	115 110 215 55 Extension for reply within first month					
Large Entity Small Entity	116 390 216 195 Extension for reply within second month					
Fee Fee Fee Fee Description Code (\$) Code (\$) Fee Paid	117 890 217 445 Extension for reply within third month					
104 740 004 070 11114 51 - f	118 1,390 218 695 Extension for reply within fourth month					
101 740 201 370 Utility filing fee 375.00	128 1,890 228 945 Extension for reply within fifth month					
107 490 207 245 Plant filing fee	119 310 219 155 Notice of Appeal					
108 710 208 355 Reissue filing fee	120 310 220 155 Filing a brief in support of an appeal					
114 150 214 75 Provisional filing fee	121 270 221 135 Request for oral hearing					
SUBTOTAL (1) (\$) 375.00	138 1,510 138 1,510 Petition to institute a public use proceeding					
00D101AL(1) (0) 373.00	140 110 240 55 Petition to revive - unavoidable					
2. EXTRA CLAIM FEES	141 1,240 241 620 Petition to revive - unintentional					
Extra Claims below Fee Paid						
Total Claims 34 -20** = 14 × 9.00 = 126.00	143 440 243 220 Design issue fee					
Independent 6 - 3** = 3 x 42.00 = 126.00	144 600 244 300 Plant issue fee					
Multiple Dependent =	122 130 122 130 Petitions to the Commissioner					
Low Edg a new	123 50 123 50 Processing fee under 37 CFR 1.17(q)					
Large Entity Small Entity Fee Fee Fee Fee Fee Description	126 180 126 180 Submission of Information Disclosure Stmt					
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	581 40 581 40 Recording each patent assignment per property (times number of properties)					
102 80 202 40 Independent claims in excess of 3	146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a))					
104 270 204 135 Multiple dependent claim, if not paid	149 710 249 355 For each additional invention to be					
109 80 209 40 ** Reissue independent claims over original patent	examined (37 CFR § 1.129(b))					
110 18 210 9 ** Reissue claims in excess of 20	179 710 279 355 Request for Continued Examination (RCE)					
and over original patent	169 900 169 900 Request for expedited examination					
SUBTOTAL (2) (\$)252.00	of a design application  Other fee (specify)					
**or number previously paid, if greater: For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00					

SUBMITTED BY Complete (if applicable)					
Name (PrintlType)	RONALD CRAIG FISH	Registration No. (Attorney/Agent)	28,843	Telephone	408-778-3624
Signature	Conale C-	7-6		Date	07/31/2003

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